PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant P25535	_	ent's file reference	FOR FURTHER AC	CTION		n of Transmittal of Internationa amination Report (Form PCT/I	
Internation PCT/Z/		ication No. 182	International filing date (day/mon	h/year)	Priority date (day/month/yea 12.12.2002	r)
Internation F41A2		ent Classification (IPC) o	r both national classification a	and IPC			
Applican DENEL) LTD et al.					
			xamination report has bee he applicant according to			ernational Preliminary Exam	nining
2. Th	his REP	ORT consists of a tot	al of 5 sheets, including th	nis cove	sheet.		
	bee	n amended and are the	panied by ANNEXES, i.e. and the basis for this report and tion 607 of the Administrati	l/or shee	ts containing r	on, claims and/or drawings rectifications made before the PCT).	which have his Authority
TI	hese an	nexes consist of a tot	al of sheets.				
3. TI	his repc	ort contains indications	relating to the following ite	ems:			0.00
i	\boxtimes	Basis of the opinior	•				
	_	Priority	•				
Ш		_	of opinion with regard to n	oveltv. i	nventive step :	and industrial applicability	
١٧		Lack of unity of inve		and made man approaching			
V Reasoned statement under Rule 66.2(a)(nt under Rule 66.2(a)(ii) wi			nventive step or industrial a	pplicability;
VI Certain documents cited		cited					
V	'II 🗆	Certain defects in t	ne international application	1			
٧	'III 🗆	Certain observation	s on the international appl	lication			
Date of	submissi	on of the demand		Date o	completion of t	his report	
02.06.2	2004			07.09	.2004		
	ary exan	ng address of the interna nining authority:	tional	Author	zed Officer		graturnes Pelantally
	<i>3</i>) D.	uropean Patent Office -80298 Munich el. +49 89 2399 - 0 Tx: 5	23656 epmu d	Ziegle	er, H-J		
		ax: +49 89 2399 - 4465	•	Teleph	one No. +49 89	2399-2894	Sife . Office out of the

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/ZA 03/00182

 Basis of the repor 	п	O	D	re	e i	the	f	0	is	asi	В	
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Description, Pages									
	1-7		as originally filed							
Claims, Numbers										
	1-17	•	as originally filed							
Drawings, Sheets										
	1/3-3	3/3	as originally filed							
2.	With lang	ith regard to the language , all the elements marked above were available or furnished to this Authority in the nguage in which the international application was filed, unless otherwise indicated under this item.								
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:							
		the language of a tra	age of a translation furnished for the purposes of the international search (under Rule 23.1(b)).							
		the language of publication of the international application (under Rule 48.3(b)).								
		the language of a tra Rule 55.2 and/or 55.3	ne language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).							
3.	With inte	n regard to any nucle rnational preliminary e	otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:							
		contained in the inter	rnational application in written form.							
\Box filed together with the international application in computer readable form.										
		furnished subsequer	ntly to this Authority in written form.							
		furnished subsequer	ntly to this Authority in computer readable form.							
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
		The statement that the listing has been furnit	he information recorded in computer readable form is identical to the written sequence ished.							
4.	The	amendments have re	esulted in the cancellation of:							
		the description,	pages:							
		the claims,	Nos.:							
		the drawings,	sheets:							

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5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).									
		(Any replacement sheet contareport.)	ining s	uch amendn	nents must be referred to under item 1 and annexed to this						
6.	Add	litional observations, if necessa	ry:								
111	Nor	n-establishment of opinion w	ith reg	ard to nove	lty, inventive step and industrial applicability						
1.	The obv	questions whether the claimed ious), or to be industrially applic	l inven cable h	tion appears nave not bee	to be novel, to involve an inventive step (to be non- n examined in respect of:						
		the entire international applica									
	\boxtimes	claims Nos. 15-17									
		because:									
		the said international application, or the said claims Nos. relate to the following subject matter which doe not require an international preliminary examination (specify):									
		the description, claims or drawings (indicate particular elements below) or said claims Nos. 15-17 are so unclear that no meaningful opinion could be formed (specify):									
		see separate sheet									
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinic could be formed.									
		no international search report	has be	een establish	ed for the said claims Nos.						
2.	or a	neaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative cructions:									
		the written form has not been furnished or does not comply with the Standard.									
		the computer readable form ha	as not	been furnish	ed or does not comply with the Standard.						
۷.	Rea cita	asoned statement under Artic ations and explanations supp	ele 35(orting	2) with rega such stater	rd to novelty, inventive step or industrial applicability;						
1. Statement											
	Nov	velty (N)	Yes: No:	Claims Claims	1-14						
	Inv	entive step (IS)	Yes: No:	Claims Claims	1-14						
	Ind	ustrial applicability (IA)	Yes: No:	Claims Claims	1-14						

2. Citations and explanations

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see separate sheet

Re Item III

It is not clear which technical features should be included in claims 15-17 (Art.6 PCT).

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: US-A-4483235 D2: US-A-4168049

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1, and shows a gun tube support assembly, including a bush housing (10) and a cradle bush (11) for the bush housing for receiving and supporting the gun tube.

The subject-matter of claim 1 differs from this known support in that it is comprised of a plurality of support sections arranged annularly around a gun tube, and in that it further comprises a damping means sandwiched between the bush housing and cradle bush.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention is to increase firing accuracy and lifespan of the gun.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) because a segmented bush housing is not disclosed in the prior art. The bush housing in D2 (ref. 32) is a unitary ring. Damping means are disclosed in D2. However, the mount shown in D2 is not a cradle bush: the barrel is fixed in the mount and can only widen radially. In axial direction it is fixed.

Claims 2-14 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

The invention is industrially applicable.